

Attorney Docket: 622/42052DV
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: PIUS GRUENENFELDER ET AL.

Serial No.: 08/902,331 Group Art Unit: 1753

Filed: JULY 29, 1997 Examiner: CANTELMO, G.

Title: MAGNETRON ATOMIZATION SOURCE AND METHOD OF USE
THEREOF

CERTIFICATE OF FACSIMILE TRANSMISSION

Assistant Commissioner for Patents
Washington, D.C. 20231

February 10, 2000

Sir:

I hereby certify that an original of this After-Final Response is being faxed to Examiner Cantelmo at the U.S. Patent and Trademark Office (fax number: 703-305-6078) on February 10, 2000.

Respectfully submitted,



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W.M.
2/11/00AFTER-FINAL RESPONSE
EXPEDITED HANDLING REQUESTEDVIA FACSIMILE - 703-305-6078Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The following is responsive to the Office Action mailed
April 9, 1999.IN THE SPECIFICATIONPage 11, between lines 15 and 16 insert the following
paragraph:

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--The above-described relationships between, on one hand, d_{113} (the maximal distance of the new atomization surface to the disk surface to be coated) shown in Fig. 1 and r_{11} (the radius of the circular workpiece disk), or $\phi 13$ which is $2 r_{11}$, and on the other hand between " d_{113} " and " a " allows a "target taper" (for convenience, designated here as d_0) to be defined by the difference between d_{113} and the distance a which represents the distance spanned by an interior surface F_q . The disclosed relationship and the upper and lower values of target taper (d_0) can thus be represented by the following: